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C-A OPERATIONS PROCEDURES MANUAL

8.16.7 LINAC Compressed Air System

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Hand Processed Changes

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Approved: _____ ***Signature on File*** _____
Collider-Accelerator Department Chairman Date

R. Grandinetti

8.16.7 LINAC Compressed Air System

1. **Purpose**

To provide operating instructions to the Water Systems Technicians for the operation of LINAC compressed air system.

2. **Responsibilities**

Water Systems Technicians start and stop this system.

3. **Prerequisites**

3.1 Startup – Request permission from LINAC control.

3.2 Shutdown - Request permission from LINAC control.

3.3 Qualified and trained Water Systems Technician.

4. **Precautions**

4.1 Do not operate compressor with valves closed.

4.2 Do not operate compressor without cooling water on.

5. **Procedure**

5.1 Verify that oil level is at least 1/2 full as indicated in the sight glass.

5.2 Open cooling water valves to compressor, oil cooler, and after cooler.

5.3 Open supply valves to system.

5.4 Inspect condition of compressor drive belts.

5.5 Turn on compressor circuit breaker.

5.6 Start compressor at local start-stop station.

5.7 Observe compressor cycling, general operation, and restore alarms.

5.8 Check oil temperature (< 180°F), oil level (1/2 full), discharge air pressure (< 125 psi).

5.9 Place compressed air dryer system control to on position and observe "on" indicator light.

5.10 For shutdown, turn off compressor and dryer. Close cooling water valves to compressor, oil cooler and after cooler.

6. **Documentation**

None

7. **References**

LINAC flow diagram, C.T. Main Drawing #2484-402-M3.

8. **Attachments**

None